



Naval Air Station Fallon

Nevada Joint Military Affairs Committee Update

CAPT David Halloran
Commanding Officer
August 11, 2016

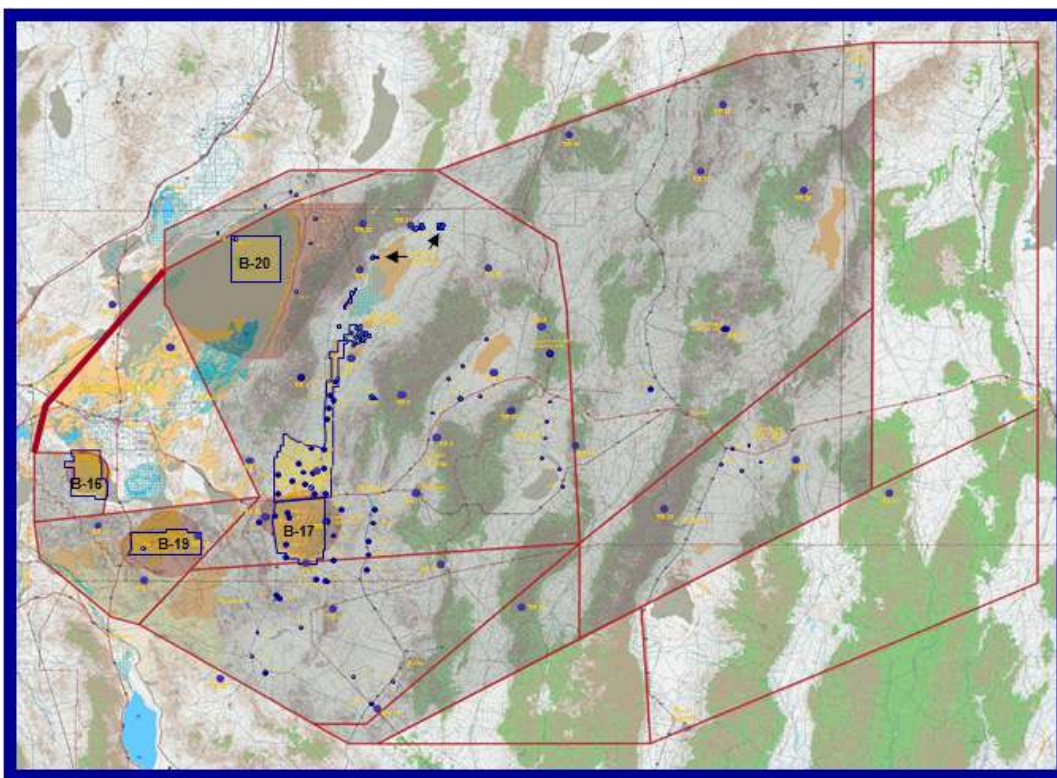
"Nevada's Carrier in the Desert"



Fallon Range Training Complex



➤ The Crown Jewel of Naval Aviation



- **Ninety Days to Combat**
 - Trains 100% of deploying Naval Aviation & Naval Special Warfare in Combat Tactics, Techniques & Procedures; in a realistic threat environment.
- **Home of the Naval Aviation Warfighting Development Center (NAWDC)**
 - The Naval Strike Warfare “Center of Excellence”

“The more we sweat in peace, the less we bleed in war.”



A Design for Combat Success



- **Historical correlation between realistic training and Combat Success:**
 - TOPGUN: 1969 Vietnam A/A Kill Ratio 3 to 1; after TOPGUN: 12 to 1
 - Strike University: 1984 Beirut Strike, mission failure & loss of aircrew
- **Chronology of NAWDC, the Navy Fallon “Center of Excellence:”**
 - 1969 – Navy Fighter Weapons School (TOPGUN)
 - 1984 – Naval Strike Warfare Center (Strike University)
 - 1988 – Carrier Airborne Early Warning Weapons School
 - 1996 – Rotary Wing Weapons School
 - 2000 – Electronic Reconnaissance Weapons School
 - 2001 – Joint Close Air Support School
 - 2009 – Naval Special Warfare Tactical Mobility Course
 - 2011 – Growler Weapons School
 - 2012 – Tomahawk Land Attack Missile Cell





Combat Training Realism



➤ **Airspace 13,000 Sq. Miles**

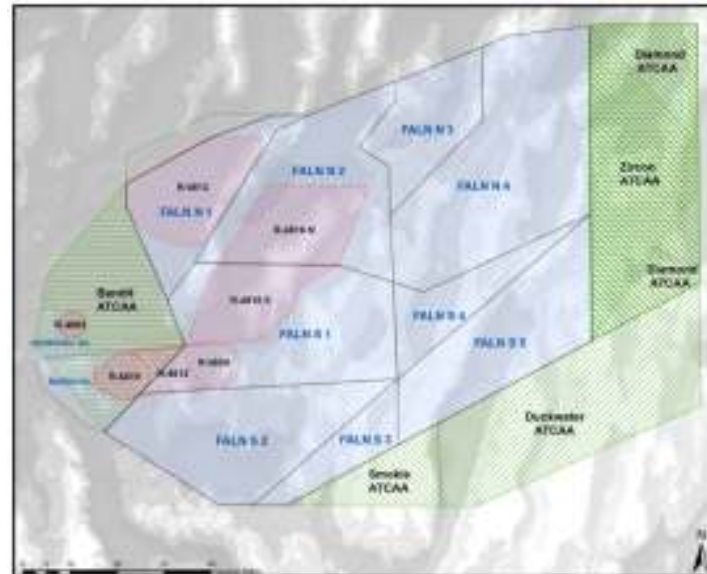
➤ **Land 230,000 Acres**

- Four bombing ranges
- Six restricted areas
- Seven MOA/ATCAAs



➤ **Real world threat presentation**

- Air & Ground Opposition forces
- Electronic Warfare
- Tactical display & debrief



➤ **44 Electronic Warfare Threat Systems**

- 26 Manned and 18 Unmanned
- 32 SAM/AAA and 12 Acquisition
 - ♦ 13 Fixed; 31 Mobile
- 28 Simulators, 12 FME, and 4 Hybrids





Mission Training



➤ Required Mission Areas

- Strike Warfare
- Air Combat
- Electronic Warfare
- Anti-surface Warfare
- Expeditionary Warfare
- Naval Special Warfare



➤ Threat derived curriculum

- Real world intelligence
- Operational Lesson's Learned
- Major Combat Operations
- Development, validation, review & standardization of Tactics, Techniques & Procedures (TTP)
- Large Force Exercise Planning & Employment
- Close Air Support
- Combat Search and Rescue
- Joint service participation
- Dynamic Targeting
- Convoy Escort
- Special Operations (SOF) Integration

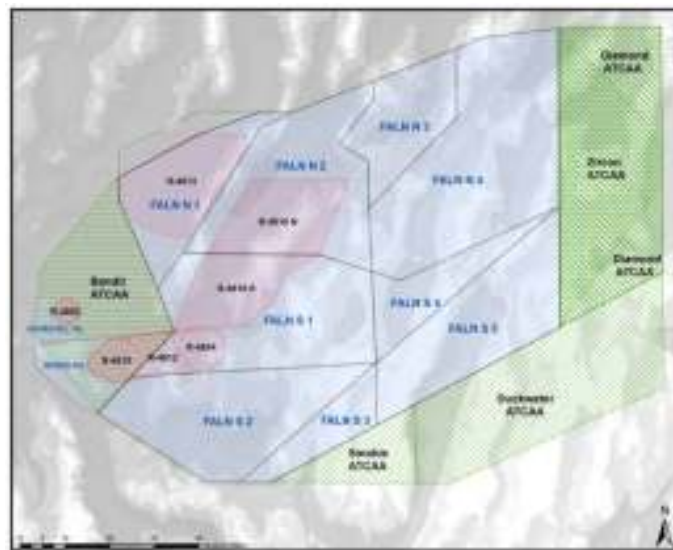
Threat Realistic Training at the Individual, Unit & Integrated Levels



Fallon Training Infrastructure



- A significant infrastructure footprint that is not re-locatable anywhere CONUS or overseas





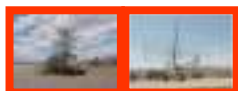
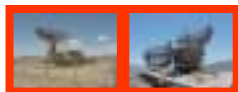
Fallon Training Infrastructure



"Fixed" Manned Threat Radar Systems



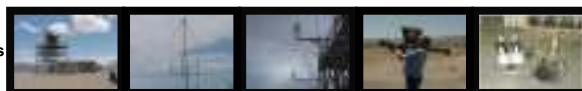
"Fixed" Acquisition Search Radar Systems



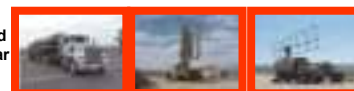
"Fixed" Acquisition Height-Finder Radar Systems



Other Miscellaneous Systems



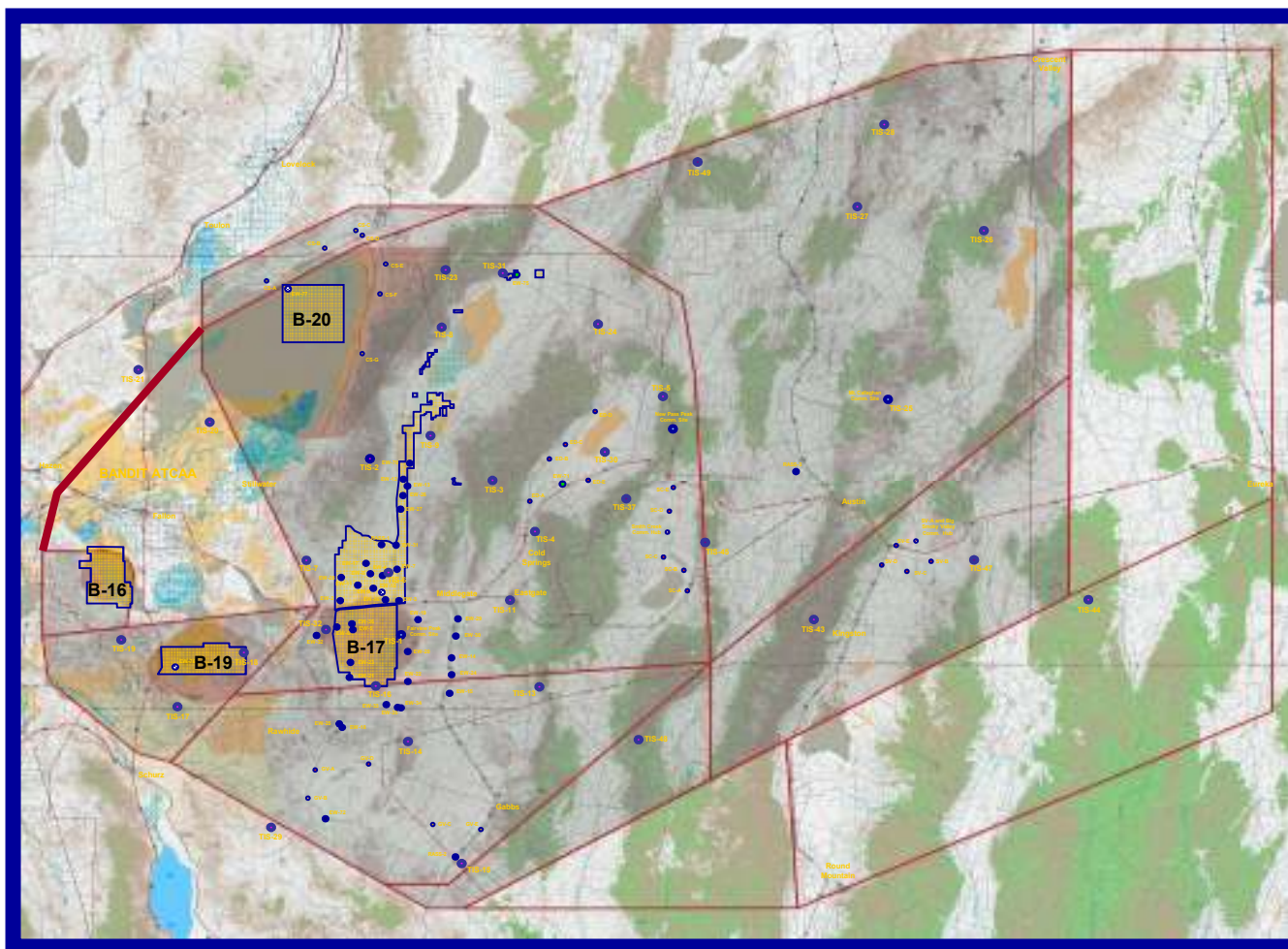
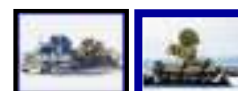
"Mobile" Manned Acquisition Radar Systems



"Mobile" Unmanned Threat Radar Systems
Based from Various Sites



"Mobile" Manned Threat Radar Systems





Fallon Summary



- **Home to the Naval Aviation Center of Excellence Schoolhouse for tactical pre-deployment combat training**
- **Training 100% of Naval Strike Warfare units**
- **Training 100% of Naval Special Warfare units**
- **Not easily or affordably replicated anywhere -
- CONUS or Overseas**
- **Critical contribution to the DoD**



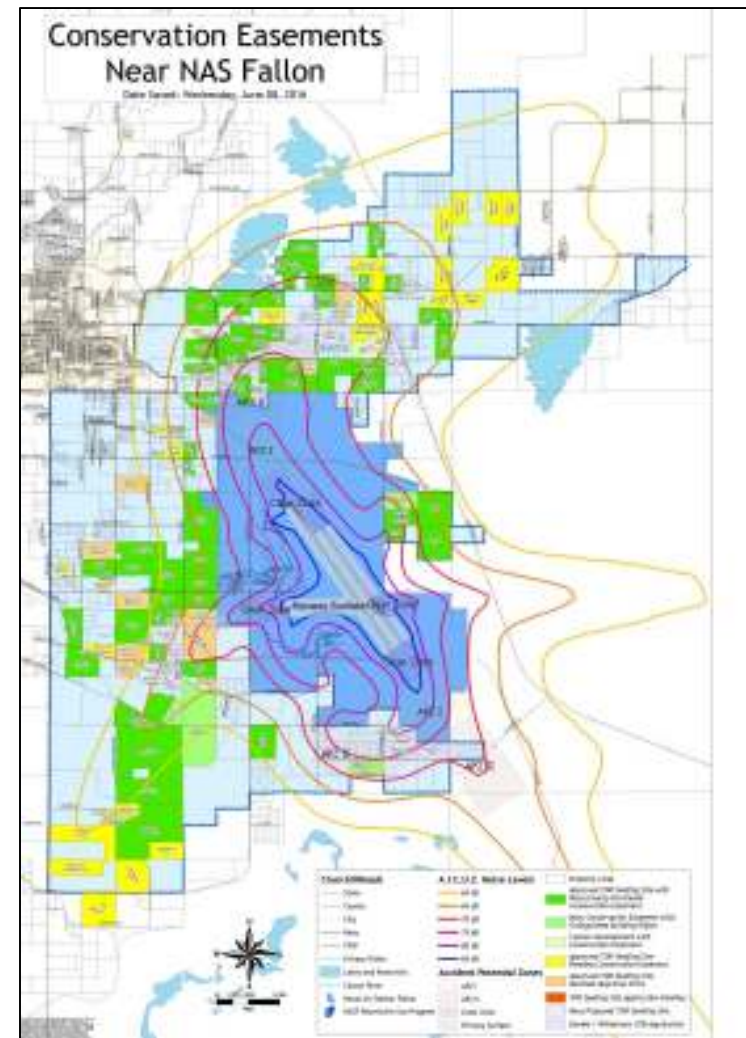
Recently Completed and Ongoing Actions



REPI Main Installation



- Since 2007, REPI has funded over 55 easements around NAS Fallon for a total of 5,773 acres
- NAS Fallon will add just under a total of 1,800 acres this fiscal year (FY16)
- Request for funding in FY17 for an additional 1,400 acres
- Focus of REPI is to keep compatible land uses around the air installation
 - Plan for urban development
 - Lessen impacts from airborne noise
 - Prevent restricted range access
 - Promote productive agriculture
 - Funding goes directly to land owner (liquidity)
- Total budget for REPI funding across all services in 2016 was \$58.6M



"Nevada's Carrier in the Desert"



Frey Ranch



Frey Ranch has participated in the Churchill County/NAS Fallon Easement Program which has helped the 100 year old ranch reinvest and diversify the value of the land back into a new business model

Frey Ranch Vodka and Gin have been a huge success. Both products can be found in Nevada, California, Colorado, Indiana, Illinois, Michigan, Maryland and Washington DC. Bringing fresh money into the State of Nevada and specifically Churchill County

Virtually no waste. The by-product (spent grain) still has its nutritional value and can be used as cattle feed.

Frey Ranch uses 100% of the grains grown on the farm.

The distillery allows Frey Ranch to keep seasonal summer employees full-time. Transitioning them from outdoor work in the summer to indoor work during the winter

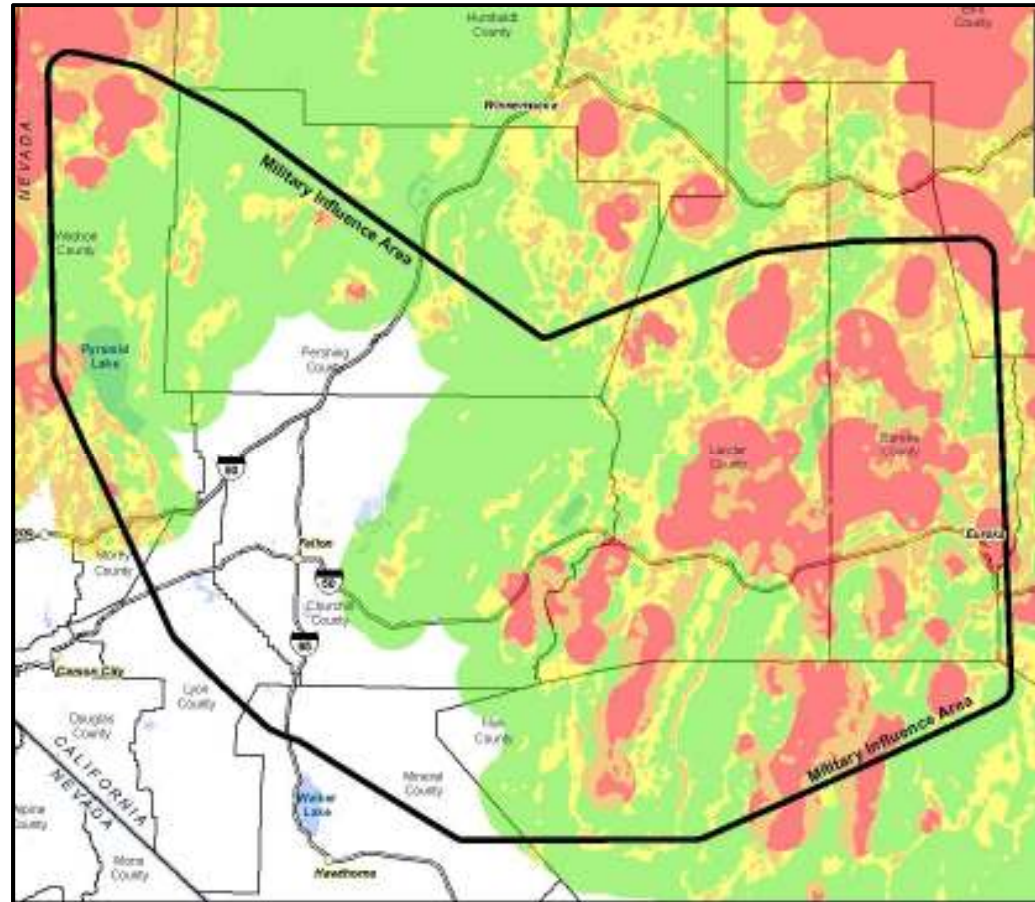




REPI Fallon Range



- First easement completion expected by early 2017 (TNC)
- Second easement currently being selected with completion in late 2017 (NLT)
- Main partners for easements are The Nature Conservancy and Nevada Land Trust
- Technical expertise provided by Nevada Department of Wildlife and Sage Grouse Initiative (NRCS)
- Coordination of resources and projects are BLM and US Forest Service
- Easements relate to habitat
 - Conservation easements in critical areas
 - Habitat restoration
 - Research for current sage-grouse populations
- Evaluation of sage grouse eligibility as an endangered species scheduled for 2020





F-35C Fleet Integration



- Modified F-35C aircraft assignments direct two to Naval Aviation Warfighting Development Center (NAWDC) for tactical development in early 2019
- In 2020, NAWDC receives two additional F-35C and another two b/t 2021-23
- Five military construction projects are planned to support the NAWDC and fleet system infrastructure
- First fleet squadron will train at Fallon in 2019-20
- F-35C integration will include temporarily deployments at Fallon for operational testing





Military Housing



- NAS Fallon maintains 230 housing units via a Public-Private Venture (Lincoln-Clarke Housing)
- Plan will demolish and rebuild 123 units and renovate 80
- Overall, the number of units is going to drop from 230 to 202, resulting in better housing but less of it
- Issues-
 - Rents have escalated but BAH has dropped
 - Inventory of available homes is less than 3 months
 - Housing – basically no housing (starts) construction in the past 5-10 years
 - Stagnant growth in the county- rural counties have had a tough recovery since Recession (taxable sales only grew 0.6% from 2010 to 2014)
 - Cost to build is greater versus cost to buy per square foot
 - Inventory of distressed properties (foreclosures/bank owned etc.)



Economic Impact Analysis



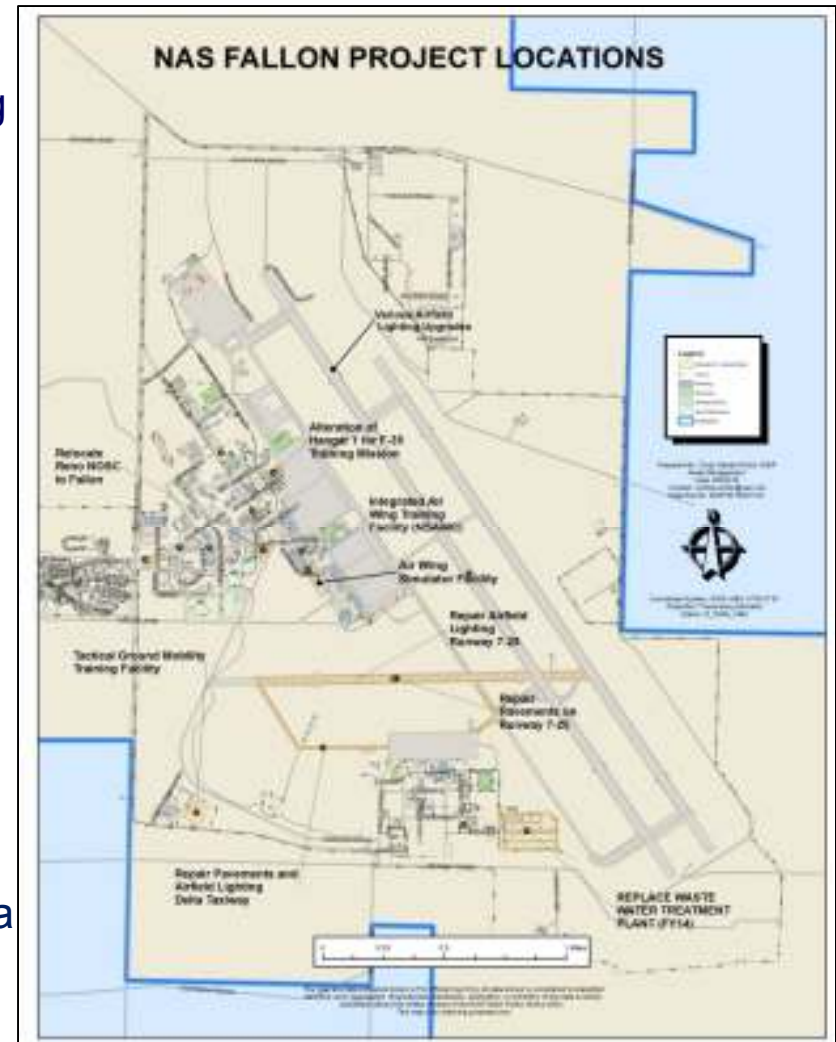
- Total Economic Impact - \$517 million
 - activity generated by NASF (Churchill/Lyon/Washoe)
- Payroll - \$84 million
 - direct annual payroll of personnel working at NASF
- Employment - 4,586 jobs
 - direct and indirect employment contributed to NASF
- Tax generation - \$22 million
 - State and local taxes stimulated by NASF payroll and spending

*based on FY15 data for NAS Fallon



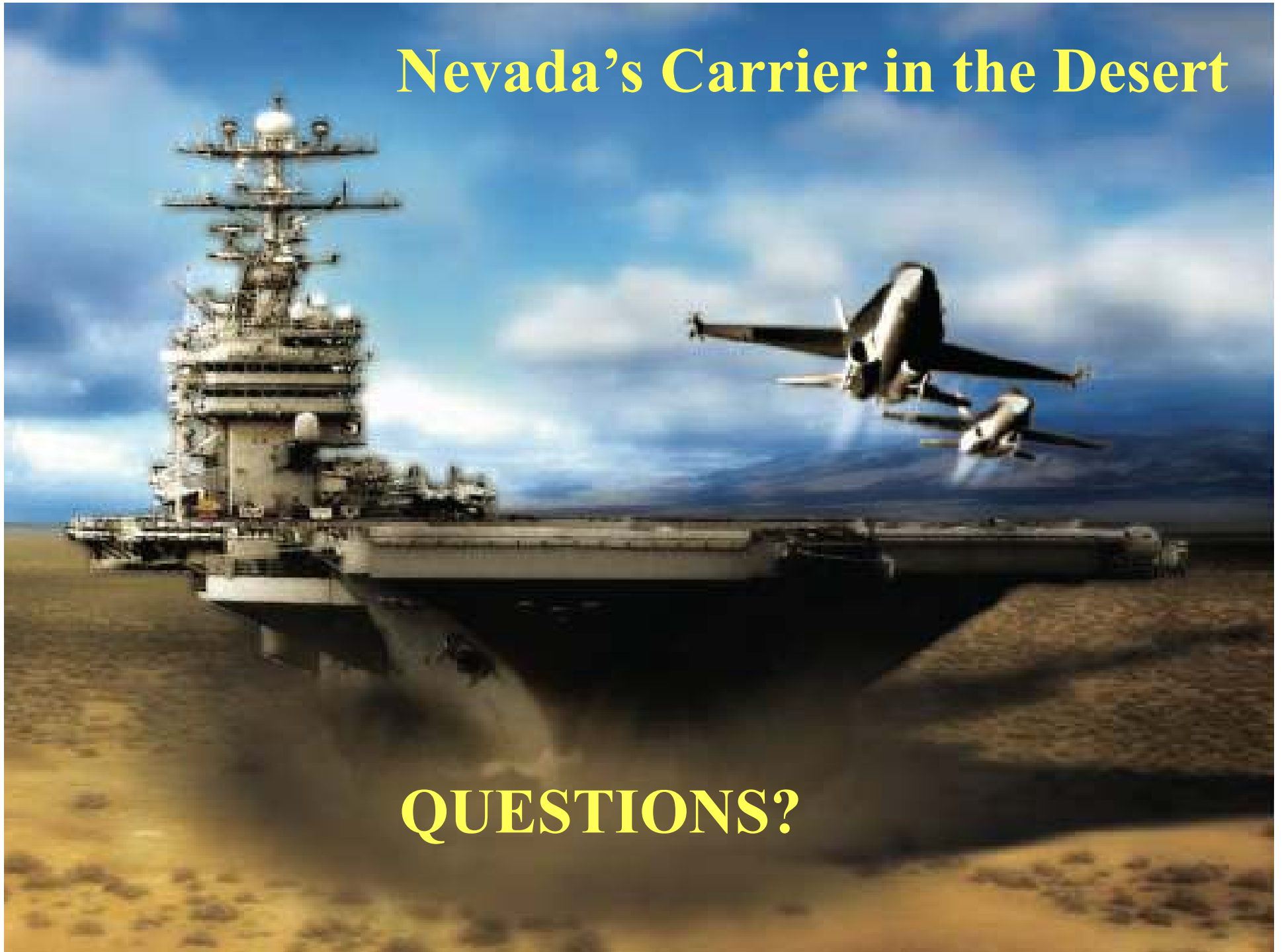
Construction and Repair

- **MILCON Construction**
 - P-430 Hangar Alteration for the F-35 Training Mission (FY15)
 - P-420 Integrated Air Wing Training Facility (FY15)
 - P-440 Air Wing Simulator Facility (FY17)
 - P-418 Tactical Ground Mobility Training Facility (FY15)
 - P-111 Reno NOSC (FY16)
 - P-393 Wastewater Treatment Plant (FY16)
- **Special Projects**
 - Repair Runway 31R/13L (FY16)
 - Repair Lighting 7 - 25 Runway (FY16)
 - Repair 7 - 25 Runway and Taxiway Alpha (FY16)
 - Repair and update Lighting on Taxiway Delta (FY16)
 - Various Airfield Lighting Upgrades (FY16)



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QUESTIONS?